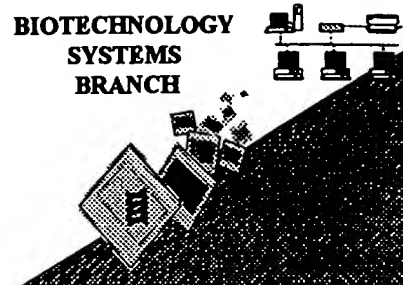


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/185,908
Art Unit / Team No. : 01PE
Date Processed by STIC: 11/12/98

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/185,908DATE: 11/12/1998
TIME: 17:06:06

Input Set: I185908.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

1 <110> Blaschuk, Orest W.
2 Gour, Barbara J.
3 <120> COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED
4 FUNCTIONS
5 <130> 100086.409
6 <140> US/09/185,908
7 <141> 1998-11-03
8 <160> 269
9 <170> PatentIn Ver. 2.0

New format

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES FOLLOW

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*(global error)**please delete - not needed,
since less than 10*

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*amino acids are
shown*

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RAW SEQUENCE LISTING
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E--> 381 1 5 (10)

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E--> 429 1 5

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RAW SEQUENCE LISTING
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635	<211>	9	
636	<212>	PRT	
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639	<223>	Description of Artificial Sequence: Product of	

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640 synthesis based on mouse claudin-2 sequence
641 <220>
642 <223> Cyclic Peptide
643 <400> 116
644 Cys Arg Thr Ser Ser Tyr Val Gly Cys
E--> 645 1 5 10

646 <210> 117
647 <211> 8
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652 synthesis based on mouse claudin-2 sequence
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656 Cys Trp Arg Thr Ser Ser Tyr Cys
E--> 657 1 5 10

658 <210> 118
659 <211> 9
660 <212> PRT
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663 <223> Description of Artificial Sequence: Product of
664 synthesis based on mouse claudin-2 sequence
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666 <223> Cyclic Peptide
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E--> 669 1 5 10

670 <210> 120
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677 <220>
678 <223> Cyclic Peptide
679 <400> 120
680 Lys Thr Ser Ser Tyr Asp
E--> 681 1 5 10

682 <210> 121
683 <211> 7
684 <212> PRT
685 <213> Artificial Sequence

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687 <223> Description of Artificial Sequence: Product of
688 synthesis based on mouse claudin-2 sequence
689 <220>
690 <223> Cyclic Peptide
691 <400> 121
692 Lys Thr Thr Ser Tyr Val Asp
E--> 693 1 5 (10)

694 <210> 122
695 <211> 8
696 <212> PRT
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700 synthesis based on mouse claudin-2 sequence
701 <220>
702 <223> Cyclic Peptide
703 <400> 122
704 Lys Thr Thr Ser Tyr Val Gly Asp
E--> 705 1 5 (10)

706 <210> 123
707 <211> 7
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714 <223> Cyclic Peptide
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716 Lys Arg Thr Ser Ser Tyr Asp
E--> 717 1 5 (10)

718 <210> 124
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726 <223> Cyclic Peptide
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E--> 729 1 5 (10)

730 <210> 125
731 <211> 9

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	778	<210>	130	

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786 <223> Cyclic Peptide
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788 Lys Thr Ser Ser Tyr Val Glu
E--> 789 1 5

790 <210> 131
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798 <223> Cyclic Peptide
799 <400> 131
800 Lys Thr Ser Ser Tyr Val Gly Glu
E--> 801 1 5

802 <210> 132
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E--> 813 1 5

814 <210> 133
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822 <223> Cyclic Peptide
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824 Lys Arg Thr Ser Ser Tyr Val Glu
E--> 825 1 5

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834	<223>	Cyclic Peptide	
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E--> 837		1 5	10

838	<210>	135	
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E--> 849		1 5	10

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854	<220>		
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E--> 861		1 5	10

862	<210>	138	
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864	<212>	PRT	
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870	<223>	Cyclic Peptide	
871	<400>	138	

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	884	Asp Thr Ser Ser Tyr Val Lys	
E-->	885	1 5	(10)
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	894	<223> Cyclic Peptide	
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	896	Asp Thr Ser Ser Tyr Val Gly Lys	
E-->	897	1 5	(10)
	898	<210> 141	
	899	<211> 7	
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	908	Asp Arg Thr Ser Ser Tyr Lys	
E-->	909	1 5	(10)
	910	<210> 142	
	911	<211> 8	
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	916	synthesis based on mouse claudin-2 sequence	
	917	<220>	

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E-->	933		1 5	(10)	
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	940		synthesis based on mouse claudin-2 sequence		
	941	<220>			
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	956		Asp Trp Arg Thr Ser Ser Tyr Val Lys		
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964	synthesis based on mouse claudin-2 sequence	
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980	Glu Thr Ser Ser Tyr Val Lys	
E--> 981	1 5	(10)
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E--> 993	1 5	(10)
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E--> 1005	1 5	(10)
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1007	<211> 8	
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1015 <400> 151
1016 Glu Arg Thr Ser Ser Tyr Val Lys
E--> 1017 1 5 (10)

1018 <210> 152
1019 <211> 9
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1024 synthesis based on mouse claudin-2 sequence
1025 <220>
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1028 Glu Arg Thr Ser Ser Tyr Val Gly Lys
E--> 1029 1 5 (10)

1030 <210> 153
1031 <211> 8
1032 <212> PRT
1033 <213> Artificial Sequence
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1035 <223> Description of Artificial Sequence: Product of
1036 synthesis based on mouse claudin-2 sequence
1037 <220>
1038 <223> Cyclic Peptide
1039 <400> 153
1040 Glu Trp Arg Thr Ser Ser Tyr Lys
E--> 1041 1 5 (10)

1042 <210> 154
1043 <211> 9
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1050 <223> Cyclic Peptide
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1052 Glu Trp Arg Thr Ser Ser Tyr Val Lys
E--> 1053 1 5 (10)

1054 <210> 156
1055 <211> 5

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	1073	<220>		
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E-->	1101		1 5	(10)
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	1102	<210>	160	

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E--> 1113 1 5 (10)

1114 <210> 161
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1124 Trp Arg Thr Ser Ser Tyr
E--> 1125 1 5 (10)

1126 <210> 162
1127 <211> 7
1128 <212> PRT
1129 <213> Artificial Sequence
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1132 synthesis based on mouse claudin-2 sequence
1133 <220>
1134 <223> Cyclic Peptide
1135 <400> 162
1136 Trp Arg Thr Ser Ser Tyr Val
E--> 1137 1 5 (10)

1138 <210> 163
1139 <211> 8
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1144 synthesis based on mouse claudin-2 sequence
1145 <220>
1146 <223> Cyclic Peptide
1147 <400> 163
1148 Trp Arg Thr Ser Ser Tyr Val Gly
E--> 1149 1 5 (10)

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1157		sequences	
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1170		sequences	
1171	<220>		
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1173	<400>	165	
1174		Cys Val Thr Ala Phe Ile Cys	
E--> 1175		1 5	(10)

1176	<210>	166	
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1183		sequences	
1184	<220>		
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E--> 1188		1 5	(10)

1189	<210>	167	
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1195		synthesis based on human, mouse and monkey CPE-R	

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1196 sequences
1197 <220>
1198 <223> Cyclic Peptide
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1200 Cys Arg Val Thr Ala Phe Cys
E--> 1201 1 5 (10)

1202 <210> 168
1203 <211> 8
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1205 <213> Artificial Sequence
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1208 synthesis based on human, mouse and monkey CPE-R
1209 sequences
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1213 Cys Arg Val Thr Ala Phe Ile Cys
E--> 1214 1 5 (10)

1215 <210> 169
1216 <211> 9
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1222 sequences
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1226 Cys Arg Val Thr Ala Phe Ile Gly Cys
E--> 1227 1 5 (10)

1228 <210> 170
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1235 sequences
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E--> 1240 1 5 (10)

1241 <210> 171

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E--> 1253 1 5 (10)

1254 <210> 173
1255 <211> 6
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1261 sequences
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1263 <223> Cyclic Peptide
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1265 Lys Val Thr Ala Phe Asp
E--> 1266 1 5 (10)

1267 <210> 174
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1274 sequences
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E--> 1279 1 5 (10)

1280 <210> 175
1281 <211> 8
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1286 synthesis based on human, mouse and monkey CPE-R
1287 sequences
1288 <220>

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Input Set: I185908.RAW

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1326		sequences	
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1333	<211>	8	
1334	<212>	PRT	

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E--> 1344 1 5

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1380 <223> Cyclic Peptide
1381 <400> 183

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E--> 1382 Lys Val Thr Ala Phe Ile Glu
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E--> 1409 1 5 (10)

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E--> 1422 1 5 (10)

1423 <210> 187
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E--> 1435 1 5 (10)

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1469 sequences
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1473 Asp Val Ala Thr Phe Lys
E--> 1474 1 5 (10)

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E--> 1578 1 5

(10)

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E--> 1591 1 5

(10)

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E--> 1604 1 5

(10)

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1612 sequences
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Input Set: I185908.RAW

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1659	<212>	PRT		

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E--> 1669 1 5

(10)

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E--> 1682 1 5

(10)

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(10)

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E--> 1760 1 5

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E--> 1773 1 5

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1796 Cys Val Ser Ala Phe Ile Cys
E--> 1797 1 5

10

1798 <210> 219

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E--> 1821 1 5 10

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1832 Cys Arg Val Ser Ala Phe Ile Cys
E--> 1833 1 5 10

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1844 Cys Arg Val Ser Ala Phe Ile Gly Cys
E--> 1845 1 5 10

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	1936	synthesis based on human and rat RVP-1 sequences	
	1937	<220>	

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RAW SEQUENCE LISTING
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Input Set: I185908.RAW

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1940		Lys Arg Val Ser Ala Phe Ile Gly Asp	
E--> 1941		1 5	10
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1951	<400>	232	
1952		Lys Trp Arg Val Ser Ala Phe Asp	
E--> 1953		1 5	10
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1955	<211>	9	
1956	<212>	PRT	
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E--> 1965		1 5	10
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1972		synthesis based on human and rat RVP-1 sequences	
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1975	<400>	235	
1976		Lys Val Ser Ala Phe Glu	
E--> 1977		1 5	10
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1979	<211>	7	
1980	<212>	PRT	
1981	<213>	Artificial Sequence	
1982	<220>		
1983	<223>	Description of Artificial Sequence: Product of	

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1984 synthesis based on human and rat RVP-1 sequences
1985 <220>
1986 <223> Cyclic Peptide
1987 <400> 236
1988 Lys Val Ser Ala Phe Ile Glu
E--> 1989 1 5 (10)

1990 <210> 237
1991 <211> 8
1992 <212> PRT
1993 <213> Artificial Sequence
1994 <220>
1995 <223> Description of Artificial Sequence: Product of
1996 synthesis based on human and rat RVP-1 sequences
1997 <220>
1998 <223> Cyclic Peptide
1999 <400> 237
2000 Lys Val Ser Ala Phe Ile Gly Glu
E--> 2001 1 5 (10)

2002 <210> 238
2003 <211> 7
2004 <212> PRT
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2006 <220>
2007 <223> Description of Artificial Sequence: Product of
2008 synthesis based on human and rat RVP-1 sequences
2009 <220>
2010 <223> Cyclic Peptide
2011 <400> 238
2012 Lys Arg Val Ser Ala Phe Glu
E--> 2013 1 5 (10)

2014 <210> 239
2015 <211> 8
2016 <212> PRT
2017 <213> Artificial Sequence
2018 <220>
2019 <223> Description of Artificial Sequence: Product of
2020 synthesis based on human and rat RVP-1 sequences
2021 <220>
2022 <223> Cyclic Peptide
2023 <400> 239
2024 Lys Arg Val Ser Ala Phe Ile Glu
E--> 2025 1 5 (10)

2026 <210> 240
2027 <211> 9
2028 <212> PRT
2029 <213> Artificial Sequence

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Input Set: I185908.RAW

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Input Set: I185908.RAW

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2084 Asp Val Ser Ala Phe Ile Lys
E--> 2085 1 5

2086 <210> 246
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E--> 2097 1 5

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E--> 2109 1 5

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2120 Asp Arg Val Ser Ala Phe Ile Lys
E--> 2121 1 5

2122 <210> 249

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Input Set: I185908.RAW

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2132 Asp Arg Val Ser Ala Phe Ile Gly Lys
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2134 <210> 250
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E--> 2145 1 5 10

2146 <210> 251
2147 <211> 9
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2149 <213> Artificial Sequence
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2151 <223> Description of Artificial Sequence: Product of
2152 synthesis based on human and rat RVP-1 sequences
2153 <220>
2154 <223> Cyclic Peptide
2155 <400> 251
2156 Asp Trp Arg Val Ser Ala Phe Ile Lys
E--> 2157 1 5 10

2158 <210> 253
2159 <211> 6
2160 <212> PRT
2161 <213> Artificial Sequence
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2164 synthesis based on human and rat RVP-1 sequences
2165 <220>
2166 <223> Cyclic Peptide
2167 <400> 253
2168 Glu Val Ser Ala Phe Lys
E--> 2169 1 5 10

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Input Set: I185908.RAW

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	2213	<220>		
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	2215	<400>	257	

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Input Set: I185908.RAW

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	2242	<210> 260	
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	2252	Glu Trp Arg Val Ser Ala Phe Ile Lys	
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	2255	<211> 5	
	2256	<212> PRT	
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	2258	<220>	
	2259	<223> Description of Artificial Sequence: Product of	
	2260	synthesis based on human and rat RVP-1 sequences	
	2261	<220>	

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Input Set: I185908.RAW

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	2275	<400>	263	
	2276		Val Ser Ala Phe Ile Gly	
E-->	2277		1 5	(10)
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E-->	2289		1 5	(10)
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	2300		Arg Val Ser Ala Phe Ile	
E-->	2301		1 5	(10)
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	2304	<212>	PRT	
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	2307	<223>	Description of Artificial Sequence: Product of	

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2308 synthesis based on human and rat RVP-1 sequences
2309 <220>
2310 <223> Cyclic Peptide
2311 <400> 266
2312 Arg Val Ser Ala Phe Ile Gly
E--> 2313 1 5

2314 <210> 267
2315 <211> 6
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2319 <223> Description of Artificial Sequence: Product of
2320 synthesis based on human and rat RVP-1 sequences
2321 <220>
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2324 Trp Arg Val Ser Ala Phe
E--> 2325 1 5

2326 <210> 268
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2332 synthesis based on human and rat RVP-1 sequences
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2336 Trp Arg Val Ser Ala Phe Ile
E--> 2337 1 5

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1591	E	Invalid/Missing Amino Acid Numbering	1	5	10
1604	E	Invalid/Missing Amino Acid Numbering	1	5	10
1617	E	Invalid/Missing Amino Acid Numbering	1	5	10
1630	E	Invalid/Missing Amino Acid Numbering	1	5	10
1643	E	Invalid/Missing Amino Acid Numbering	1	5	10
1656	E	Invalid/Missing Amino Acid Numbering	1	5	10
1669	E	Invalid/Missing Amino Acid Numbering	1	5	10
1682	E	Invalid/Missing Amino Acid Numbering	1	5	10
1695	E	Invalid/Missing Amino Acid Numbering	1	5	10
1708	E	Invalid/Missing Amino Acid Numbering	1	5	10
1721	E	Invalid/Missing Amino Acid Numbering	1	5	10
1734	E	Invalid/Missing Amino Acid Numbering	1	5	10
1747	E	Invalid/Missing Amino Acid Numbering	1	5	10
1760	E	Invalid/Missing Amino Acid Numbering	1	5	10
1773	E	Invalid/Missing Amino Acid Numbering	1	5	10
1785	E	Invalid/Missing Amino Acid Numbering	1	5	10
1797	E	Invalid/Missing Amino Acid Numbering	1	5	10
1809	E	Invalid/Missing Amino Acid Numbering	1	5	10
1821	E	Invalid/Missing Amino Acid Numbering	1	5	10
1833	E	Invalid/Missing Amino Acid Numbering	1	5	10
1845	E	Invalid/Missing Amino Acid Numbering	1	5	10
1857	E	Invalid/Missing Amino Acid Numbering	1	5	10

Input Set: I185908.RAW

Line	? Error/Warning	Original Text		
1869	E Invalid/Missing Amino Acid Numbering	1	5	10
1881	E Invalid/Missing Amino Acid Numbering	1	5	10
1893	E Invalid/Missing Amino Acid Numbering	1	5	10
1905	E Invalid/Missing Amino Acid Numbering	1	5	10
1917	E Invalid/Missing Amino Acid Numbering	1	5	10
1929	E Invalid/Missing Amino Acid Numbering	1	5	10
1941	E Invalid/Missing Amino Acid Numbering	1	5	10
1953	E Invalid/Missing Amino Acid Numbering	1	5	10
1965	E Invalid/Missing Amino Acid Numbering	1	5	10
1977	E Invalid/Missing Amino Acid Numbering	1	5	10
1989	E Invalid/Missing Amino Acid Numbering	1	5	10
2001	E Invalid/Missing Amino Acid Numbering	1	5	10
2013	E Invalid/Missing Amino Acid Numbering	1	5	10
2025	E Invalid/Missing Amino Acid Numbering	1	5	10
2037	E Invalid/Missing Amino Acid Numbering	1	5	10
2049	E Invalid/Missing Amino Acid Numbering	1	5	10
2061	E Invalid/Missing Amino Acid Numbering	1	5	10
2073	E Invalid/Missing Amino Acid Numbering	1	5	10
2085	E Invalid/Missing Amino Acid Numbering	1	5	10
2097	E Invalid/Missing Amino Acid Numbering	1	5	10
2109	E Invalid/Missing Amino Acid Numbering	1	5	10
2121	E Invalid/Missing Amino Acid Numbering	1	5	10
2133	E Invalid/Missing Amino Acid Numbering	1	5	10
2145	E Invalid/Missing Amino Acid Numbering	1	5	10
2157	E Invalid/Missing Amino Acid Numbering	1	5	10
2169	E Invalid/Missing Amino Acid Numbering	1	5	10
2181	E Invalid/Missing Amino Acid Numbering	1	5	10
2193	E Invalid/Missing Amino Acid Numbering	1	5	10
2205	E Invalid/Missing Amino Acid Numbering	1	5	10
2217	E Invalid/Missing Amino Acid Numbering	1	5	10
2229	E Invalid/Missing Amino Acid Numbering	1	5	10
2241	E Invalid/Missing Amino Acid Numbering	1	5	10
2253	E Invalid/Missing Amino Acid Numbering	1	5	10
2265	E Invalid/Missing Amino Acid Numbering	1	5	10
2277	E Invalid/Missing Amino Acid Numbering	1	5	10
2289	E Invalid/Missing Amino Acid Numbering	1	5	10
2301	E Invalid/Missing Amino Acid Numbering	1	5	10
2313	E Invalid/Missing Amino Acid Numbering	1	5	10
2325	E Invalid/Missing Amino Acid Numbering	1	5	10
2337	E Invalid/Missing Amino Acid Numbering	1	5	10
2349	E Invalid/Missing Amino Acid Numbering	1	5	10